

Intercropping of leguminous and non-leguminous desert plant species does not facilitate phosphorus mineralization and plants nutrition

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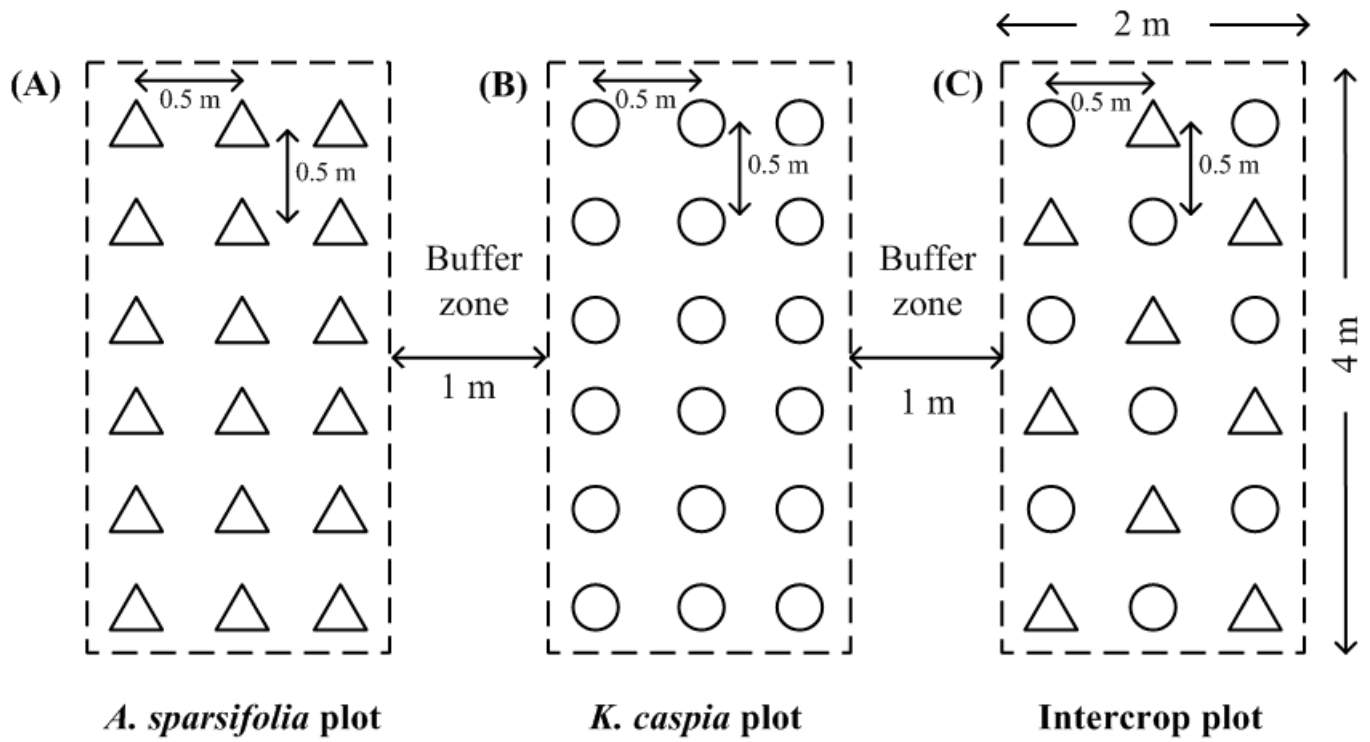


Fig. S1 Experimental design. Panels(A) and (B) show the monoculture plots of *A. sparsifolia* and *K. caspia*, respectively, and panel (C) shows their intercrop pattern. The triangle and circle represent the *A. sparsifolia* and *K. caspia*, respectively.

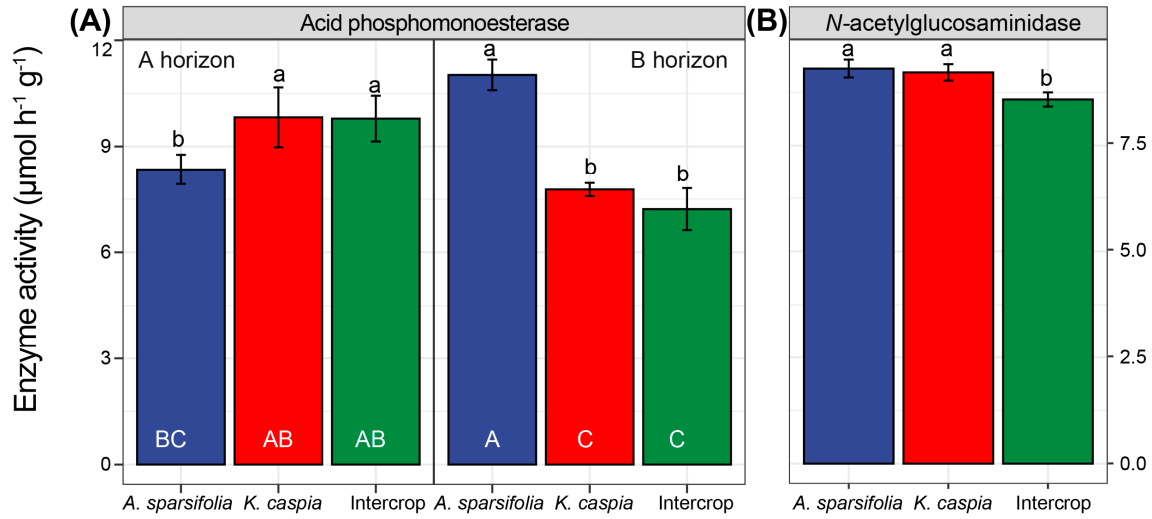


Fig. S2 The activities of (A) acid phosphomonoesterase in the two soil layers in different plant patterns and (B) N-acetylglucosaminidase in different plant patterns. Values are means \pm SE. Different capital letters below the bars indicate significant differences at $P < 0.05$ among six treatments, and lowercase letters above error bars indicate significant differences at $P < 0.05$ from different planting patterns (in each soil layer).

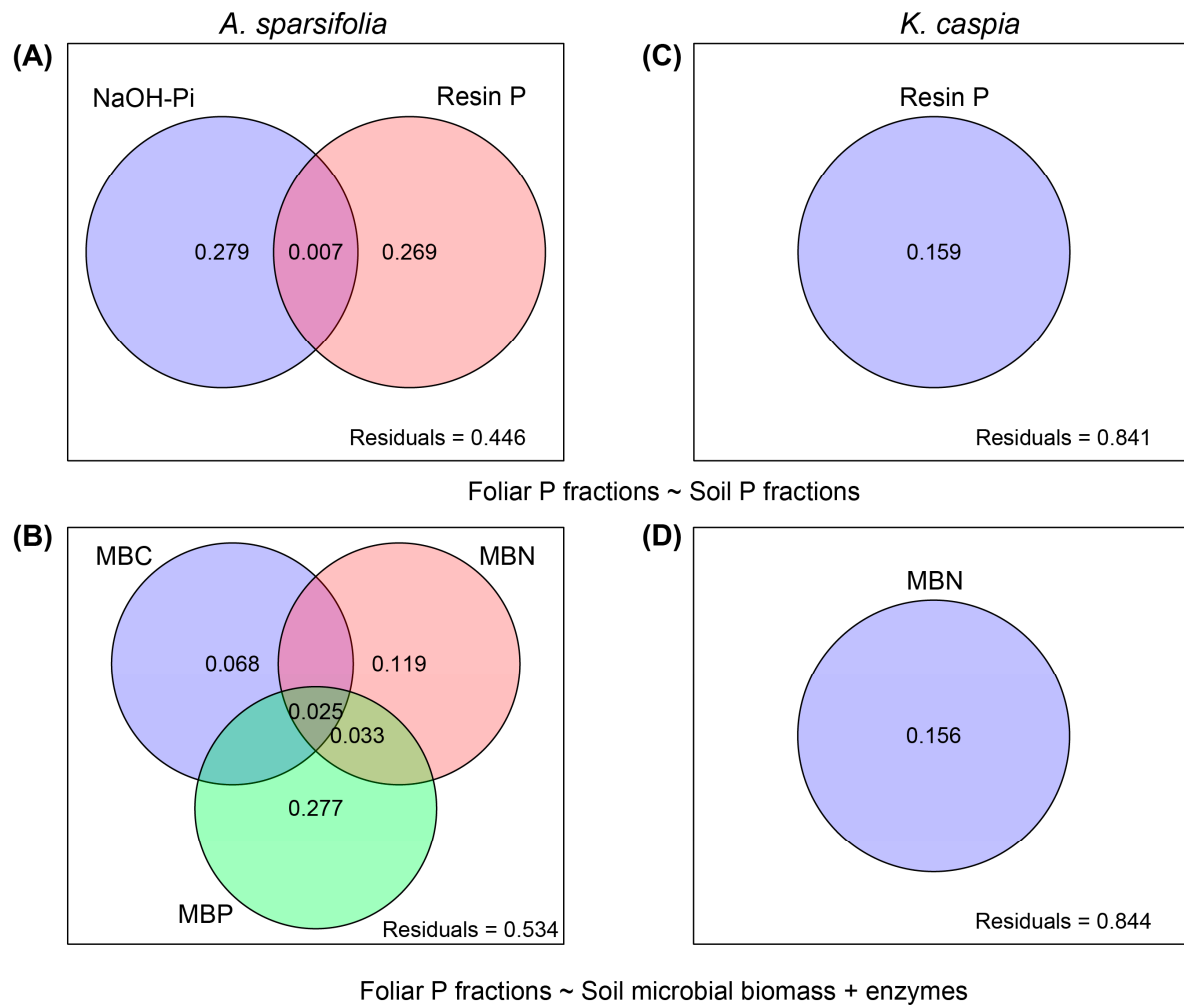


Fig. S3 The foliar P fraction variance explained by soil properties according to redundancy analysis (RDA). Subplots A-B show the results from *A. sparsifolia* monoculture and its intercropping pattern plots; subplots C-D show the results from *K. caspia* monoculture and its intercropping pattern plots;